

## **CURRICULUM VITAE**

Xiangjun Zhang

### **CONTACT INFORMATION**

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### **EDUCATION**

8/2016-5/2020 Ph.D. in Public Health, Social and Behavioral Health  
School of Public Health, University of Nevada, Reno

1/2002-4/2006 Master of Science, Human Development Psychology  
College of Liberal Arts, De La Salle University, Manila, Philippines

8/1993-6/1998 Medicine, Clinical Medicine  
School of Medicine, Shandong University, Shandong, China

### **EMPLOYMENT**

7/2024-Now Research and Data Analyst  
Center for Community Research and Evaluation  
University of Memphis

7/2022-6/2024 Postdoctoral Scholar  
Department of Clinical Pharmacy and Translational Science  
College of Pharmacy  
University of Tennessee Health Science Center

7/2020-6/2022 Postdoctoral Research Associate  
Department of Public Health  
College of Education, Health, and Human Sciences  
University of Tennessee, Knoxville

8/2016-5/2020 Graduate Research and Teaching Assistant  
School of Public Health  
University of Nevada, Reno

2/2009-5/2016      Physician  
HIV/AIDS Division  
Xicheng Center for Disease Control and Prevention, Beijing, China

## PEER-REVIEWED PUBLICATIONS

Tsang CCS, **Zhang X**, Ellis A, Wang J. Effects of Part D Senior Savings Model on healthcare costs among the Medicare population. *Journal of Pharmaceutical Health Services Research*. 2025. (Under review)

Tsang CCS, **Zhang X**, Ellis A, Zeng JJ, Wang J. Effects of the Part D Senior Savings Model on racial and ethnic disparities in healthcare costs. *Current Medical Research & Opinion*. 2025; 1-26. <https://doi.org/10.1080/03007995.2025.2479780>

**Zhang X**, Tsang CCS, Ford DD, Wang J. Student Pharmacists' Perceptions of Artificial Intelligence and Machine Learning in Pharmacy Practice and Pharmacy Education. *American Journal of Pharmaceutical Education*. 2024; 88(12):101309. <https://doi.org/10.1016/j.ajpe.2024.101309>

**Zhang X\***, Sim Y\*, Tsang CCS, Wang J, Finch C. Effects of Medication Therapy Management on medication adherence among Medicare beneficiaries with chronic obstructive pulmonary disease. *Exploratory Research in Clinical and Social Pharmacy*. 2024; 15:100470. <https://doi.org/10.1016/j.rcsop.2024.100470>

**Zhang X**, Wang J. The effects of Medication Therapy Management on medication utilization among Medicare beneficiaries with HIV/AIDS. *Journal of the American Pharmacists Association*. 2024; S1544-3191(23):00435-1. <https://doi.org/10.1016/j.japh.2023.12.023>

Zhou Y, **Zhang X**, Meng J, Li Y, Xiao Xu, Wang W, Wang H. "No Medication Means No HIV Diagnosis": A Qualitative Study Based on Dual-System Theory on HIV Antiretroviral Therapy Initiation Decision-Making. *Nursing & Health Sciences*. 2024;26(4):e13169. <https://doi.org/10.1111/nhs.13169>

Su X, Zhong X, **Zhang X**, Gao Y, Zou X, Chen X, Wang W, Wang H, Meng J, Yu L, He J, Zhou, Y. Unveiling trends in late diagnosis among 22,504 people living with HIV in Hunan, China. *Scientific Reports*. 2024; 14(1):23165.

Zhou Y, Meng J, **Zhang X**, Ma J, Fan S, Zuo H, Shi J, Wang W, Wang, H. (2024). Nurse-led sequential multiple assignment randomized trial of nudging intervention for early antiretroviral therapy initiation among patients with HIV/AIDS: Implementation study protocol. *Journal of Advanced Nursing*. 2024. <https://doi.org/10.1111/jan.16259>

Wang N, Zhang R, Ye Z, Lan G, Zhu Q, Chen H, **Zhang X**, Tan S, Ran Y, Lin Mei. Studies on HIV/AIDS among students: bibliometric analysis. *Interactive Journal of Medical Research*. 2023; 12(1):e46042. <https://doi.org/10.2196/46042>

Tsang CCS\*, **Zhang X\***, Barenie, R, Cernasev A, Miller N, Wan J, Tsao, J, Wang J. Disparities associated with Medicare Part D Star Ratings measures among patients with Alzheimer's disease and related dementias. *Medicine*. 2023; 102(18). <https://doi.org/10.1097/MD.00000000000033641>

Xu J, Lan X, Zhang L, **Zhang X**, Zhang J, Song M, Liu J. The effectiveness of the first dose COVID-19 booster versus full vaccination to prevent SARS-CoV-2 infection and severe COVID-19 clinical event: a meta-analysis and systematic review of longitudinal studies. *Frontiers in Public Health*. 2023; 11:1165611. <https://doi.org/10.3389/fpubh.2023.1165611>

Zhou Y, Tang K, Lu H, Chen H, Xie H, Li Z, Huang J, Fang N, Chen S, Wang H, He Q, Chen H, Liu X, Lan G, Zhu Q, Chen Y, **Zhang X<sup>#</sup>**, Ruan Y, Liang S. Behavioral and emotional difficulties and HIV treatment outcomes among HIV-infected children in rural southwestern China. *Child and Adolescent Psychiatry and Mental Health*. 2023; 17(1):1-10. <https://doi.org/10.1186/s13034-023-00601-2>

Wang Y, Qiao Y, Huo Y, Wang L, Liang S, Yu M, Lan X, Song M, **Zhang X**, Yan Y, Xu J. The safety and immunogenicity of a two-dose schedule of CoronaVac, and the immune persistence of vaccination for six months, in people living with HIV: a multicenter prospective cohort study. *Frontiers in Immunology*. 2023; 14:1129651. <https://doi.org/10.3389/fimmu.2023.1129651>

Song L, Yu X, Su B, Geng WK, Lan G, **Zhang X<sup>#</sup>**. HIV Prevalence and risk factors among young men who have sex with men in Southwest China. *JMIR Formative Research*. 2022; 7:e37344. <https://pubmed.ncbi.nlm.nih.gov/36630166/>

Zeng X, Chen H, Zhu Q, Shen Z, Lan G, Liang J, Liang F, Zhu J, Xing H, Shao Y, Ruan Y, Zhang J, **Zhang X<sup>#</sup>**. Treatment outcomes of HIV infected children after initiation of antiretroviral therapy in Southwest China: an observational cohort study. *Frontiers in Pediatrics*. 2022; 10:916740. <https://doi.org/10.3389/fped.2022.916740>

Yao Y, Chai R, Yang J, **Zhang X**, Huang X, Yu M, Fu G, Lan G, Qiao Y, Li S, Xu J. Reasons of COVID-19 vaccine hesitancy among Chinese people living with HIV/AIDS: A structural equation modeling analysis. *JMIR Public Health and Surveillance*. 2022; 1-6. <https://doi.org/10.2196/33995>

Zhu Q, Huang J, Wu X, Chen H, Shen Z, Xing H, Shao Y, Ruan Y, **Zhang X**<sup>#</sup>, Lan G. Virologic failure and all-cause mortality among older people living with HIV/AIDS in South China. *AIDS Care*. 2022. <https://doi.org/10.1080/09540121.2022.2099513>

Bi X, Liu F, **Zhang X**, Wang H, Ye Z, Yun K, Huang X, Jiang Y, Geng W, Shang H, Xu J. Vitamin D, and calcium supplementation reverses Tenofovir-caused bone mineral density loss in populations attending ART or PrEP: a systematic review and meta-analysis. *Frontiers in Nutrition*. 2022; 9:749948. <https://doi.org/10.3389/fnut.2022.749948>

Huang X, Yan Y, Su B, Xiao D, Yu M, Jin X, Duan J, **Zhang X**, Zheng S, Fang Y, Zhang T, Tang W, Wang L, Wang Z, Xu J. Comparing immune responses to inactivated vaccines against SARS-CoV-2 between people living with HIV and HIV-negative individuals: A cross-sectional study in China. *Viruses*. 2022; 14(2):277. <https://doi.org/10.3390/v14020277>

Bao R\*, Liu Z\*, **Zhang X**\*, Wang H, Wang Z, Zhang J, Chu Z, Hu Q, Qian HZ, Tang W, Hu Z, Li S, Li H, Ding H, Geng W, Jiang Y, Xu J, Shang H. A brief smartphone-based intervention significantly improved pre-exposure prophylaxis adherence among Chinese men who have sex with men: Findings of a randomized controlled trial. *Journal of Infection*. 2022; 84(2):248-288. <https://doi.org/10.1016/j.jinf.2021.12.045>

Huang X, Yu M, Fu G, Lan G, Li L, Yang J, Qiao Y, Zhao J, Qian H-Z, **Zhang X**, Liu X, Jin X, Chen G, Jiang H, Tang W, Wang Z, Xu J. Willingness to receive COVID-19 vaccination among people living with HIV and AIDS in China: A nationwide cross-sectional online survey. *JMIR Public Health and Surveillance*. 2021; 7(10):e31125. <https://doi.org/10.2196/31125>

Jiang H, **Zhang X**, Zhang C, Lu R, Zhou C, Ouyang L, Xiang H, Vermund, SH, Shao Y, Ruan Y, Wu G, Qian HZ. Trends of HIV, hepatitis C virus and syphilis seroprevalence among injection and non-injection drug users in southwestern China, 2010-2017. *AIDS Care*. 2020; 1-6. <https://doi.org/10.1080/09540121.2020.1856320>

**Zhang X**, Oman RF, Larson TA, Christiansen E., Granner ML, Lu M, Yang Y. Healthcare utilization, unmet service needs, and linkage to care among people living with HIV/AIDS. *Journal of Public Health and Emergency*. 2020; 4. <https://doi.org/10.21037/jphe-20-41>

- Zhang X**, Oman RF, Larson TA, Christiansen E., Granner ML, Lu M, Yang Y. Healthcare utilization, unmet service needs, and HIV treatment outcomes among racial/ethnic groups. *Health Behavior and Policy Review*. 2020; 7(6):584-595. <https://doi.org/10.14485/HBPR.7.6.7>
- Zhang X**, Oman RF, Larson TA, Christiansen E., Granner ML, Lu M, Yang Y. Healthcare utilization, unmet service needs, and medication adherence among people living with HIV/AIDS. *Current HIV Research*. 2020; 18(6):436-442. <https://doi.org/10.2174/1570162X18666200817112255>
- Lu R\*, **Zhang X\***, Zhou C, Zhang W, Ouyang L, Xiang H, Shao Y, Wu G, Ruan Y. Trends of HIV, syphilis and hepatitis C infections among men who have sex with men in Chongqing, China: a serial cross-sectional survey from 2011 to 2018. *Sexually Transmitted Diseases*. 2020. <https://doi.org/10.1097/OLQ.0000000000001173>
- Zhang X\***, Wang N\*, Vermund SH, Zou H, Li X, Zhang F, Qian HZ. Interventions to improve the HIV continuum of care in China. *Current HIV/AIDS Reports*. 2019; 16: 448-457. <https://doi.org/10.1007/s11904-019-00469-y>
- Wu G, Zhou, C, **Zhang X**, Zhang W, Lu R, Xing H, Shao Y, Ruan Y, Qian HZ. Higher risks of virologic failure and all-cause deaths among older people living with HIV in Chongqing, China. *AIDS Research and Human Retroviruses*. 2019; 35(11-12):1095-1102. <https://doi.org/10.1089/AID.2019.0096>
- Zhang X**, Marchand C, Sullivan B, Klass EM, Wagner KD. Naloxone access for Emergency Medical Technicians: An evaluation of a training program in rural communities. *Addictive Behaviors*. 2018; 86:79-85. <https://doi.org/10.1016/j.addbeh.2018.03.004>
- Yin L, Zhao Y, Peratikos MB, Song L, **Zhang X**, Xin R, Sun Z, Xu Y, Zhang L, Hu Y, Hao C, Ruan Y, Shao Y, Vermund SH, Qian HZ. Risk prediction score for HIV infection: development and internal validation with cross-sectional data from Men Who Have Sex with Men in China. *AIDS and Behavior*. 2018:1-10.
- Tao J, Vermund SH, Lu H, Ruan Y, Shepherd BE, Kipp AM, Amico KR, **Zhang X**, Shao Y, Qian HZ. Impact of depression and anxiety on initiation of antiretroviral therapy among Men Who have Sex with Men with newly diagnosed HIV infections in China. *AIDS Patient Care and STDs*. 2017; 31(2):96-104.
- Liu Y, Osborn CY, Qian HZ, Yin L, Xiao D, Ruan Y, Simoni JM, **Zhang X**, Shao Y, Vermund SH, Amico KR. Barriers and facilitators of linkage to and engagement in HIV care among HIV-positive Men Who have Sex with Men in China: a qualitative study. *AIDS Patient Care and STDs*. 2016; 30(2):70-77.

**Zhang X\***, Yu J\*, Li M\*, Sun X, Qian HZ, Li M, Zhou F, Li X, Yang Y, Xiao D, Ruan Y, Jin Q, Gao L. Prevalence and related risk behaviors of HIV, syphilis, and anal HPV infection among Men Who have Sex with Men from Beijing, China. *AIDS and Behavior*. 2013; 17:1129-1136.

\*Co-first authors

#Corresponding author

## **RESEARCH EXPERIENCES**

R01AG049696 (PI: Dr. Junling Wang)  
Resolving Racial/Ethnic Disparities Associated with Star Ratings among the ADRD Population  
Funder: National Institute on Aging  
Role: Postdoctoral Scholar  
7/2022-6/2024

GA1RH33552 (PI: Dr. Laurie Meschke)  
Project HOPE: Healing Opioid Use Disorder through Prevention and Expertise  
Funder: Health Resources & Services Administration  
Role: Postdoctoral Research Associate and Project Manager  
7/2020-6/2022

Nevada State-Funded Graduate Assistantship  
Role: Graduate Research and Teaching Assistant  
8/2018- 5/2020

U24AA022002 (PI: Dr. Robert Cook)  
Southern HIV and Alcohol Research Consortium Administrative and Research Support Core  
Funder: National Institute on Alcohol Abuse and Alcoholism  
Role: Concept Investigator  
6/2018- 4/2021

R01DA038185 (PI: Dr. Karla Wagner)  
Networks and Normative Influences on Sex and Drug-Related HIV Risk in Black Women  
Funder: National Institutes of Health/National Institute on Drug Abuse  
Role: Graduate Research Assistant  
8/2016-7/2018

R01AI094562 (PIs: Dr. Sten Vermund and Dr. Han-Zhu Qian)  
Multi-component HIV Intervention Packages for Chinese MSM  
Funder: National Institutes of Health/National Institute of Allergy and Infectious Diseases  
Role: Primary Psychologist and Site Coordinator  
3/2013-4/2015

National Natural Sciences Foundation of China No. 81001272 (PI: Dr. Lei Gao)  
The Relationship of Circumcision and HIV/ STDS Infection among Chinese Men Who Have Sex with Men; and Molecular Epidemiology of HIV/HPV Infection among MSM.  
Role: Site Coordinator and Interviewer  
5/2010-10/2010

## **GRANT APPLICATIONS**

2/2025	REACH: Reimagining EMDR Access for Culturally-Informed Healing for Individuals Living with HIV, submitted to NIH (R34). Role: Investigator
2/2024	Spillover effects of the Medicare Part D Enhanced Medication Therapy Management model, submitted to PhRMA Foundation Postdoctoral Fellowships in Value Assessment & Health Outcomes. Role: Principle Investigator
8/2023	The effects of Medicare Part D Medication Therapy Management on Medication Adherence among People Living with HIV/AIDS, submitted to University of Tennessee Health Science Center College of Graduate Health Sciences Small Project. Role: Principle Investigator

## **PEER-REVIEWED CONFERENCE PRESENTATIONS**

2024	Tsang CCS, <b>Zhang X</b> , Wang J. Effects of Part D Senior Savings Model on healthcare costs among the Medicare population. Poster presentation at the 2024 AcademyHealth Annual Research Meeting; June 29-July 2, 2024; Baltimore, MD.
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- 2024 Tsang CCS, **Zhang X**, Wang J. Effects of Part D Senior Savings Model on racial and ethnic disparities in healthcare costs. Podium presentation at the 2024 AcademyHealth Annual Research Meeting; June 29-July 2, 2024; Baltimore, MD.
- 2024 Tsang CCS, **Zhang X**, Wang J. Effects of Part D Senior Savings Model on racial and ethnic disparities in healthcare costs. Poster presentation at the 2024 PQA Annual Meeting; May 14-16, 2024; Baltimore, MD.
- 2024 Tsang CCS, **Zhang X**, Wang J. Effects of Part D Senior Savings Model on healthcare costs among the Medicare population. Poster presentation at the 2024 PQA Annual Meeting; May 14-16, 2024; Baltimore, MD.
- 2023 Tsang CCS, **Zhang X**, Barenie, R, Cernasev A, Miller N, Wan J, Tsao, J, Wang J. Disparities associated with Medicare Part D Star Ratings measures among patients with Alzheimer's disease and related dementias. Poster presentation at the American Public Health Association 2023 Annual Meeting; Nov 12-15, 2023; Atlanta, GA.
- 2023 **Zhang X**, Sim Y, Tsang CCS, Finch C, Wang J. Effects of medication therapy management on medication adherence among Medicare beneficiaries with chronic obstructive pulmonary disease. Round table presentation at the American Public Health Association 2023 Annual Meeting; Nov 12-15, 2023; Atlanta, GA.
- 2023 Tsang CCS, **Zhang X**, Barenie, R, Cernasev A, Miller N, Wan J, Tsao, J, Wang J. Disparities associated with Medicare Part D Star Ratings measures among patients with Alzheimer's disease and related dementias. Poster presentation at the 2023 AcademyHealth Annual Research Meeting; June 24-27, 2023; Seattle, WA.
- 2023 **Zhang X**, Sim Y, Tsang CCS, Finch C, Wang J. Effects of medication therapy management on medication adherence among Medicare beneficiaries with chronic obstructive pulmonary disease. Poster presentation at the 2023 AcademyHealth Annual Research Meeting; June 24-27, 2023; Seattle, WA.
- 2023 **Zhang X**, Sim Y, Tsang CCS, Finch C, Wang J. Effects of medication therapy management on medication adherence among Medicare beneficiaries with chronic obstructive pulmonary disease. Oral presentation at the 15th University of Tennessee Health Science Center Postdoc Research Day; January 18, 2023; Memphis, TN.



- 2022 **Zhang X**, Winbigler BL, Tourville JG, Bower JE. Planning, and implementation of a medication for opioid use disorder mentoring program in rural East Tennessee. Poster presented at the 2022 Rx Drug Abuse & Heroin Summit (Rx Summit); April 18-21, 2022; Atlanta, GA.
- 2020 **Zhang X**, Xu Y, Zhou Z, Chen X, Cook RL, Oman RF, Larson TA. Association of concurrent depression, anxiety, and posttraumatic stress disorder with healthcare utilization among people living with HIV/AIDS in Florida. Poster presented at the 23<sup>rd</sup> International AIDS Conference: AIDS 2020: Virtual; July 6-10, 2020; San Francisco & Oakland, CA.  
<http://programme.aids2020.org/Abstract/Abstract/8074>.
- 2019 **Zhang X**, Zhou Z, Xu Y, Chen X, Cook RL, Oman RF. The impact of memory and substance use on HIV clinic visits. Poster presented at the 10th IAS Conference on HIV Science; July 21-24, 2019; Mexico City, Mexico. <http://programme.ias2019.org/Abstract/Abstract/4802>.
- 2017 **Zhang X**, Marchand C, Sullivan B, Klass EM, Wagner KD. Naloxone access for Emergency Medical Technicians: An evaluation of a training program in rural communities. Poster presented at Nevada Public Health Association Annual Conference; Sep. 2017; Reno, NV.  
[http://www.nphaonline.org/resources/Documents/EventDocs/2017NPHA\\_AgendaProgramBook\\_v12.pdf](http://www.nphaonline.org/resources/Documents/EventDocs/2017NPHA_AgendaProgramBook_v12.pdf)

## INVITED JOURNAL MANUSCRIPT PEER-REVIEW

- 2023-2025 Review Editor of Frontiers in Medicine
- 2021-2025 Member of Reviewer Board of Diagnostics
- 2024-2025 BMC Public Health
- 2024 Cogent Public Health
- 2023 Frontiers in Medicine
- 2023 BMJ Open
- 2023 Journal of Biomedical Research and Environmental Sciences

2023	Current HIV Research
2023	BMC Psychiatry
2023	Frontiers in Public Health
2023	Qeios
2023	Annals of Medicine
2023	BMC Infectious Diseases
2022-2023	Tropical Medicine and Infectious Disease
2022	Substance Abuse: Research and Treatment
2022	JMIR Public Health and Surveillance
2021	International Journal of Environmental Research and Public Health
2021	Scientific Reports
2021	Sensors
2021	Journal of Clinical Medicine
2021	Diagnostics
2021	AIDS Care
2020	International Journal of STD & AIDS

## **ACADEMIC HONORS AND AWARDS**

11/2023	James G. Zimmer New Investigator Research Award, American Public Health Association, Aging and Public Health Section 2023
5/2023	Spring 2023 Postdoctoral Travel Award, University of Tennessee Health Science Center
1/2023	Second Place Award at the 15th Annual Postdoc Research Day Oral Presentation Competition, University of Tennessee Health Science Center

2019-2020	Graduate Student Association Outstanding International Graduate Student Scholarship, University of Nevada, Reno
2019-2020	Graduate Dean's Merit Scholarship of the Graduate School, University of Nevada, Reno
2019	Graduate Student Association Travel Award, University of Nevada, Reno
2018	Graduate Student Association Travel Award, University of Nevada, Reno

## TEACHING EXPERIENCES

April 5, 2024	Invited presentation at the Auburn University Harrison College of Pharmacy, Department of Health Outcomes and Policy Role: Guest Presenter
Oct 14, 2022	Biostatistics, University of Tennessee Health Science Center College of Pharmacy (Doctoral course, online) Role: Guest Lecturer
Spring 2020	Introduction to Public Health, University of Nevada, Reno School of Public Health (Undergraduate course, hybrid) Role: Course Instructor
Fall 2019	Introduction to Public Health, University of Nevada, Reno School of Public Health (Undergraduate course, in-person) Role: Course Instructor
Spring 2019	Introduction to Public Health, University of Nevada, Reno School of Public Health (Undergraduate course, in-person) Role: Teaching Assistant
Fall 2018	Introduction to Public Health Biology, University of Nevada, Reno School of Public Health (Undergraduate course, in-person) Role: Teaching Assistant
Fall 2018	Environmental Health, University of Nevada, Reno School of Public Health (Undergraduate course, in-person) Role: Teaching Assistant